

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number: 12-301

**PROJECT INFORMATION**

**Project Title:** Mingus Mtn. # 2 (#400) & Mingus Mtn. # 11 (#459) Water Redevelopments

**Region and Game Management Unit:** FOR III, GMU 19A

**Local Habitat Partnership Committee (LHPC):**

- Prescott

**Was the project presented to the LHPC?**

YES[] NO[X]

**Has this project been submitted in previous years?** YES[] NO[X]

**If Yes, was it funded?** YES[] NO[] → **Funded HPC Project #(s):**

**Project Type:** Water Redevelopment

**Brief Project Summary:**

Removal and disposal of existing concrete apron, vault, trough and barbwire fence of both catchments. Installation of a 3'x 18' diameter fiberglass ring tank (5,777 gal capacity), 3'x 4' fiberglass trough, 24'x 72' metal frame, R-panel apron (over tank), and 200'x 200' standard pipe rail fence for catchment # 400. Installation of two 3'x 18' diameter fiberglass ring tanks (11,554 gal capacity), 3'x 6' fiberglass trough, 24'x 96' metal frame, R-panel apron (over tanks), and 200'x 200' standard pipe rail fence for catchment # 459.

**Big Game Wildlife Species to Benefit:** Mule Deer and Elk

**Implementation Schedule** (Month/Day/Year):

Project Start Date: Fall 2013

Project End Date: Fall 2013

**Environmental Compliance:**

NEPA Completed: Yes[X] No[] N/A[]

Projected Completion Date: 8/2011

State Historic Preservation Office - Archaeological Clearance:

Yes[X] No[] N/A[]

Projected Completion Date: 8/2011

Arizona Game and Fish Department EA Checklist: N/A[]

To be Completed by: Development Branch

Projected Completion Date: 8/2013

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:** \$ 73,335.00 (#400: \$25,315 + #459: \$ 48,020)

**Cost Share or Matching Funds:** \$ 37,154.00 (AZGFD Development Branch)

**Total Project Costs:** \$ 110,489.00

**PARTICIPANT INFORMATION**

**Applicant** (please print):

Virginia Gouldsbury

**Address:**

FOR III  
5325 Stockton Hill Road  
Kingman, AZ 86409

**E-mail:**

vgouldsbury@azgfd.gov

**Telephone:** (928) 856-0785

**Date:** 8/22/12

**AGFD Contact and Phone No.** (If applicant is not AGFD personnel):

Same

**Project has been coordinated with:**  
Joe Currie, AZGFD Development Branch

### **NEED STATEMENT – PROBLEM ANALYSIS:**

All of the Arizona Game and Fish Water Developments in Game Management Unit 19A were installed in the 1950's. These two water catchments are primarily utilized by mule deer and elk. The entire structure of these water catchments were created using concrete. Currently, the concrete is degrading in such a manner that the catchments are expected to fail in the next 5 to 10 years. There is also an over growth of vegetation within the foot prints including trees and shrubs that will need to be removed. The apron of # 459 has severely degraded which is impeding proper water collection. Due to the fact that catchment # 460 is located on private property and will have to be removed, # 459 will be the only sustainable water source within five miles. Additional water storage capacity for # 459 is required to account for increased wildlife use. The lid and sides # 400's concrete vault is degraded which is evident by the structural cracking.

# 400:



# 459:



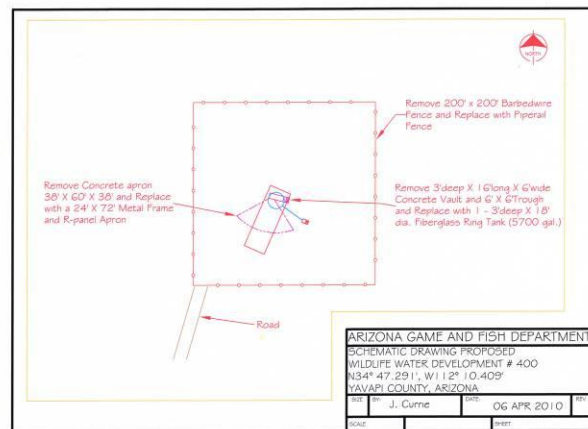
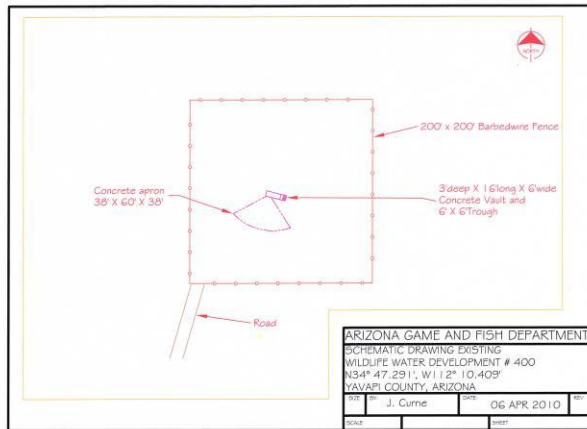
### **PROJECT OBJECTIVES:**

Redevelopment of existing critical water catchments to insure that there will be sustainable water for mule deer, elk, and other wildlife.

## PROJECT DESCRIPTION AND STRATEGIES:

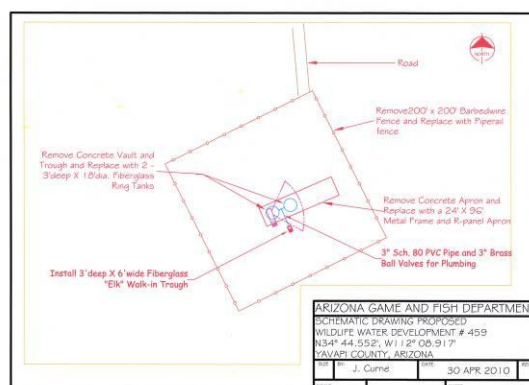
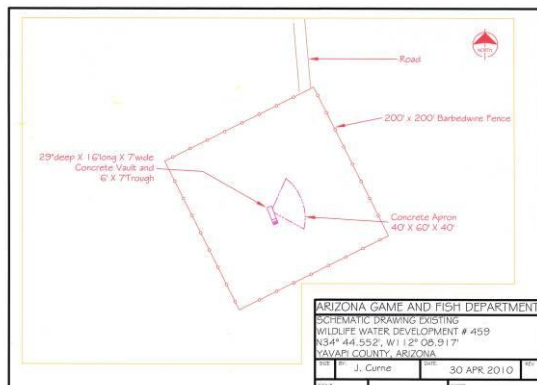
### # 400:

- Removal and disposal of exiting catchment and materials
- Removal of excess vegetation within foot print
- Installation of 3'x 18' diameter fiberglass ring tank (5,777 gal capacity)
- Installation of 3'x 4' fiberglass trough and associated plumbing
- Installation of 24'x 72' metal frame and R-panel apron (over tank)
- Installation of 200'x 200' standard pipe rail fence



### #459:

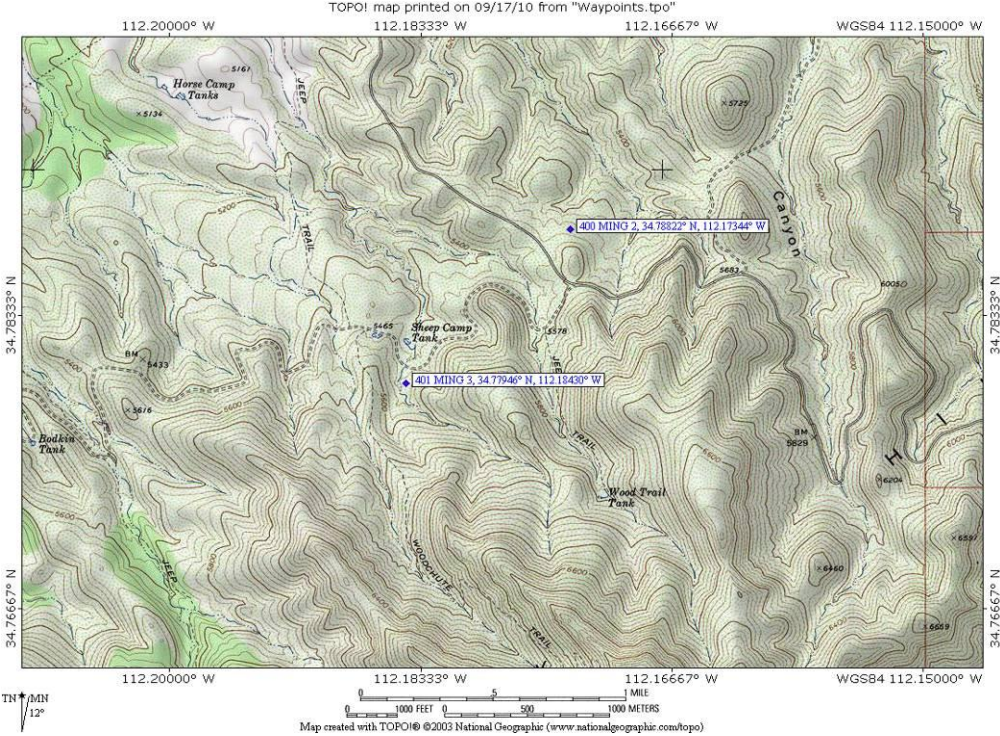
- Removal and disposal of exiting catchment and materials
- Removal of excess vegetation within foot print
- Installation of two 3'x 18' diameter fiberglass ring tank (11,554 gal capacity)
- Installation of 3'x 6' fiberglass trough and associated plumbing
- Installation of 24'x 96' metal frame and R-panel apron (over tank)
- Installation of 200'x 200' standard pipe rail
- Due to poor road conditions and sharp turns large trailers will be unable to reach the catchment. Large materials such as tanks and apron materials will have to be flown in via helicopter.



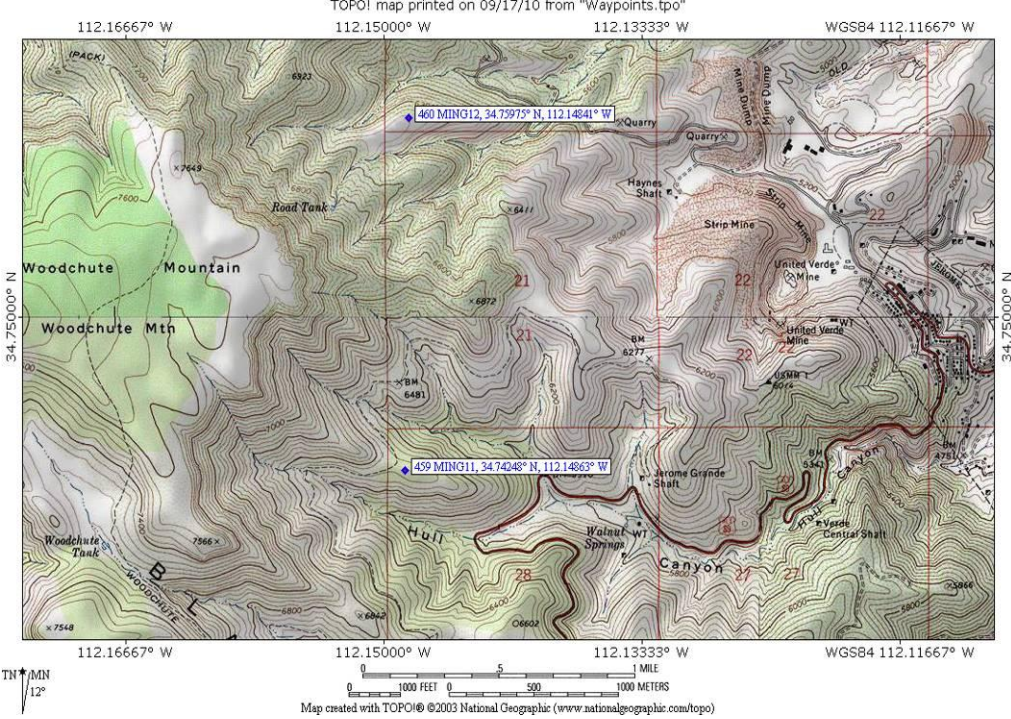


PROJECT LOCATION:

# 400:



# 459:



**LAND OWNERSHIP AT THE PROJECT SITE(S):**

(if the project area is private property, please state specifically and provide the landowner's name)

- Prescott National Forest

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or  
LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*

YES[] NO[] N/A[X]

**HABITAT DESCRIPTION:**

Both catchments are located in the foothills and slopes of Mingus Mountain and Woodchute Mountain which is dominated with chaparral-association plant species. These species then give way to juniper and ponderosa pine at the higher elevations and semi-desert grasslands in the lower elevations.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

# 400:

3'x 18' diameter fiberglass ring tank (5,777 gal capacity) - \$10,010

3'x 4' fiberglass trough - \$3,294

Fiberglass gutter - \$736

24'x 72' metal frame and R-panel apron (over tank) - \$5,925

200'x 200' standard pipe rail fence - \$3,500

Misc. plumbing - \$400

Cement - \$450

Disposal of concrete and fencing from old catchment at landfill - \$1,000

# 459:

Two 3'x 16' diameter fiberglass ring tank (11,554 gal capacity) - \$20,020

3'x 6' fiberglass trough - \$3,934

Fiberglass gutter - \$736

24'x 96' metal frame and R-panel apron (over tank) - \$7,580

200'x 200' standard pipe rail fence - \$3,500

Misc. plumbing - \$750

Cement - \$500

Helicopter Use - \$10,000

Disposal of concrete and fencing from old catchment at landfill - \$1,000

Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

# 399:

Labor for redevelopment (AZGFD) - \$10,000

NEPA clearance (contractor) - \$ 8,577

# 403:

Labor for redevelopment (AZGFD) - \$10,000

NEPA clearance (contractor) - \$ 8,577

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

AZGFD and volunteers

**WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING,  
OR FACILITATING RECREATIONAL ACCESS?**

YES[] NO[] N/A[X]

**PROJECT MONITORING PLAN:**

The redeveloped waters will be checked by the Wildlife Manager or volunteers for water levels, required maintenance, over all condition and wildlife use.

**PROJECT MAINTENANCE:**

AZGFD (Wildlife Manager and/or Development Branch)

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Virginia Gouldsbury

**WATER DEVELOPMENT PROJECTS** *(please use the worksheet below):*

**TREE CLEARING/REMOVAL PROJECTS** *(please use the worksheet below):*

## **ARIZONA GAME AND FISH DEPARTMENT**

### **WATER DEVELOPMENT WORKSHEET**

**PROJECT TITLE:** Mingus Mtn. # 2 (#400) & Mingus Mtn. # 11 (#459) Water redevelopments

- 1) **Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?"**  
Yes
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Joe Currie
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
☐2-4   ☐4-6   ☐6-8   ☐8-10   ☐10-12   ☐12-14   ☒14-16   ☐ >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**  
YES ☐ (please complete #5 below)   NO ☒ (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**  
Name of water source:  
Type of water source (catchment, spring, dirt tank):  
Ownership of water source:  
Distance in miles from project:
- 6) **Is the target wildlife species a result of transplant efforts?** YES ☐   NO ☒
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**  
None
- 8) **Please provide the following information about access to the proposed site:**  
Type of access (mark one):   ☐2x4 vehicles   ☒4x4 only   ☐foot only\*\*  
\*\*If foot access only: Distance in miles: \_\_\_\_\_   Approximate hiking time: \_\_\_\_\_  
-- Does access to this site require crossing private or tribal lands? YES ☐   NO ☒  
-- Please describe any restrictions to public access: None
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**  
# 400:  
3'x 18' diameter fiberglass ring tank (5,777 gal capacity)  
3'x 4' fiberglass trough and associated plumbing  
24'x 72' metal frame and R-panel apron (over tank)  
Associated plumbing  
200'x 200' standard pipe rail fence  
#459:  
Two 3'x 18' diameter fiberglass ring tank (11,554 gal capacity)  
3'x 6' fiberglass trough and associated plumbing  
24'x 96' metal frame and R-panel apron (over tank)  
Associated plumbing  
200'x 200' standard pipe rail
- 10) **Was a site visit completed?** Yes ☒   No ☐  
If Yes, please list personnel that attended and date.

March 3, 2010

Virginia Gouldsbury, Wildlife Manager  
Joe Curry, Development Branch